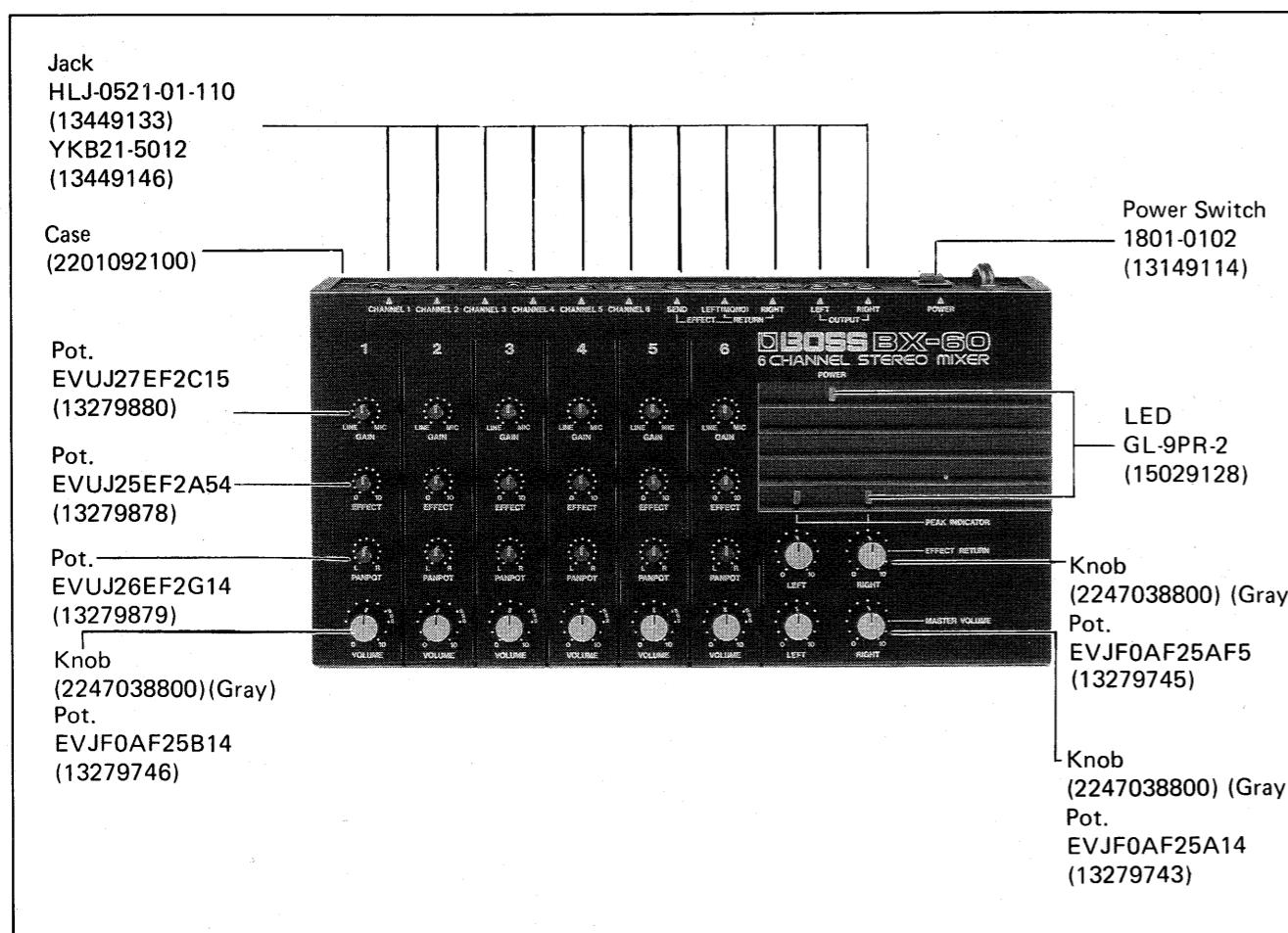


BOSS BX-60 SERVICE NOTES

First Edition

SPECIFICATIONS

Input Level/Input Impedance	Rated : -50dBm to -10dBm More than 1.5kΩ to 100kΩ
Output Level	Rated : +4dBm Max : +21dBm
Output Load Impedance	More than 10kΩ
Effect Send	
Output Level	Rated : -20dBm
Output Load Impedance	More than 10kΩ
Effect Return	
Input Level	Rated : -20dBm
Input Impedance	47kΩ to 300kΩ
Equivalent Input Noise	-115dBm (IHF-A)
Frequency Response (at minimum Gain)	20Hz to 20kHz (+0 -3dB) @0dBm = 0.775V
AC Power	100/117/220/240V AC50/60Hz
Power Consumption	4W
Dimensions	280 (W) x 60 (H) x 155 (D) mm 11" x 2-3/8" x 6-1/8"
Weight	1.2 kg/2 lb. 10 oz.



PARTS LIST

SAFETY PRECAUTIONS:

The parts marked **△** have safety-related characteristics.
Use only listed parts for replacement.

安全上の注意:

△が付いている部品は、安全上特別な規格でつくられたものです。
交換の際は、注意をよく読み、指定された部品番号以外の部品は
使わないようにして下さい。

CASING

2201092100 Case
2202023402 Bottom Cover

SWITCH

△13149114 1801-0102 Power Switch

JACK, SOCKET

13449133 HLJ-0521-01-110 (SN 910100 - 943000) JACK
13449146 YKB21-5012 (SN 953100 - UP) JACK

POWER TRANSFORMER

△ 22450365U0 Power Transformer

PCB

7116951100 PCB Assy 100V
7116951200 PCB Assy 117V
7116951400 PCB Assy HIGH

Each voltage's PCB Assy includes the following:

MT Board (pcb 2292063200 1/3)
PS Board (pcb 2292063100 2/3 100V)
(pcb 2292063200 2/3 117V)
(pcb 2292063400 2/3 HIGH)
(pcb 2292063200 3/3)

TRANSISTOR & IC

15189136	M5218L	OP Amp
15129108	2SC945-P	Tr
15129602	2SD667-C	Tr
15119602	2SB647-C	Tr

LED & DIODE

15029128	GL-9PR-2	OVERLOAD, POWER LED
15019103	1S2473	
15019560	RD-16EB-2	zener
△15019260	1G4B42	rectifier bridge

CAPACITOR

△13549884M0	ECQ-M103MZ	0.01μF	Polypropylene 100V
△13589464	ECQ-U1A103MH	0.01μF	117V
△13589455MO	ECQ-U2A103MF	0.01μF	220/240V

POTENTIOMETER

13279880	100kC	EVUJ27EF2C15	GAIN
13279878	50kA	EVUJ25EF2A54	EFFECT SEND
13279879	10kG	EVUJ26EF2G14	PAN POT
13279746	10kB	EVJFOAF25B14	CHANNEL VOL
13279745	250kA	EVJFOAF25AF5	EFFECT RETURN
13279743	10kA	EVJFOAF25A14	MASTER

FUSE

△ 12199542	Fuse Holder SN5057	
△ 12559333	T-GGS 125mA/250V	100, 117V
△ or 12559352	SGC-0.125A/125V	100, 117V
△ 12559522	CEE-40MAT	220V, 240V, 240VA

AC CORD, CORD SET

12369410	Cord Band 1702B		
△13439801Y0	VFF 2.5m	2P	AC Cord (100V)
△13439836D0	SJT-#18/2	2P	AC Cord (117V)
△13439837F0	P2115 ES-206 2.5m	2P	AC Cord (220V)
△13499111	5722-660-4527	3P	AC Cord (240V)
△13439808D0	KP-550	3P	AC Cord (240VA)

MISCELLANEOUS

2247038800	KNOB (Gray)	
2219043000	pcb Holder (PS Board)	
2235012000	Rubber Foot	
2225021402	Shield Sheet	
2219049000	BX Transformer Holder	
2216053000	BX PCB Spacer	
2216053100	Transformer Holder Spacer	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

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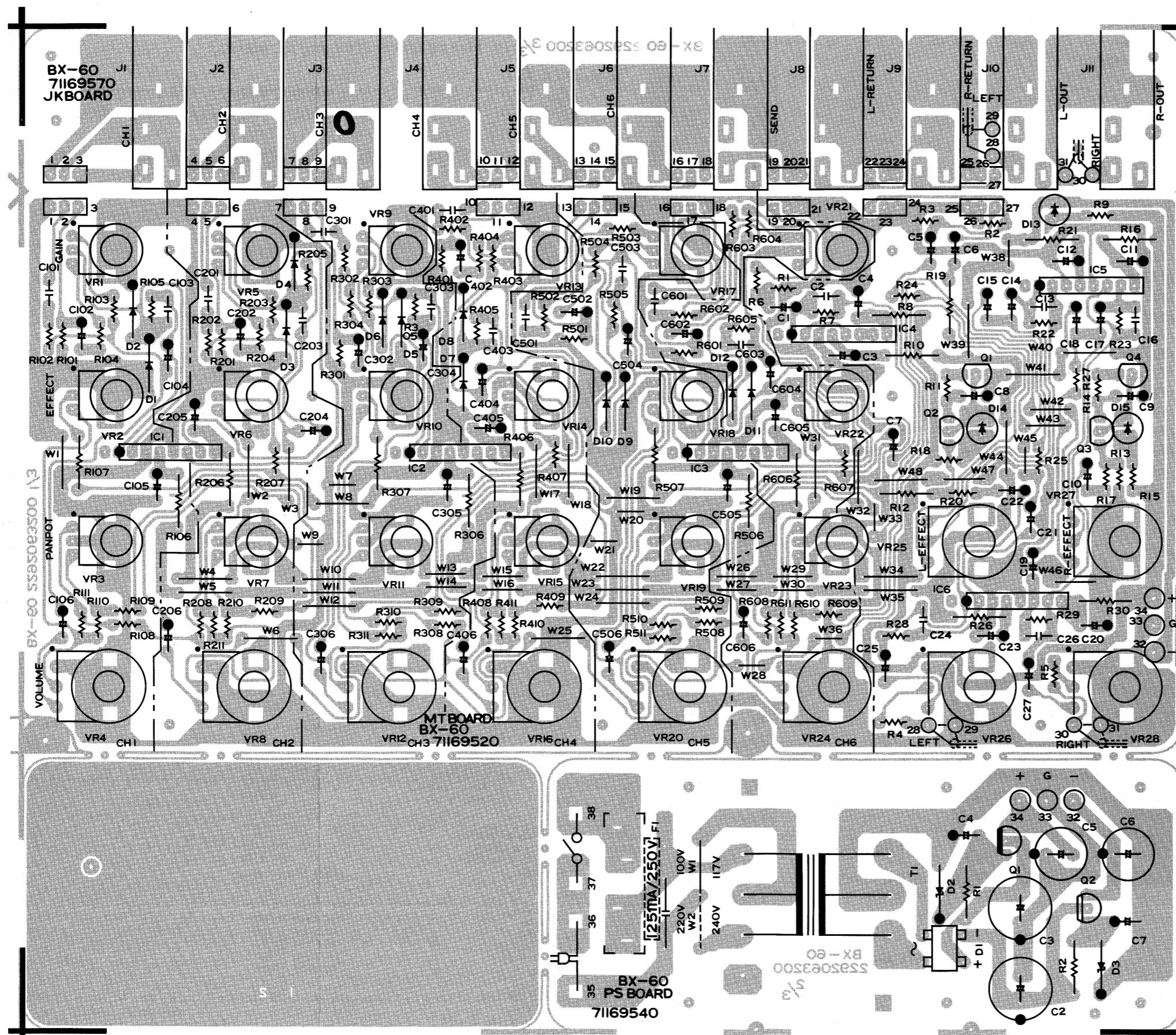
P

Q

R

S

T



View from component side

JK Board
pcb (2292063200 3/3)

MT Board
pcb (2292063200 1/3)

BX-60 REPLACEMENT 補修用

7116951100 PCB Assy 100V
7116951200 PCB Assy 117V
7116951400 PCB Assy HIGH (220/240V)

Each voltage's PCB Assy includes the following:
各々の電圧に対応するPCB ASSYは、下記の基板を含みます。

MT Board (pcb 2292063200 1/3)
PS Board (pcb 2292063100 2/3) 100V
(pcb 2292063200 2/3) 117V
(pcb 2292063400 2/3) HIGH (220/240V)
JK Board (pcb 2292063200 3/3)

PS Board
pcb (2292063200 2/3)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

A CIRCUIT DIAGRAM

B

C

D

E

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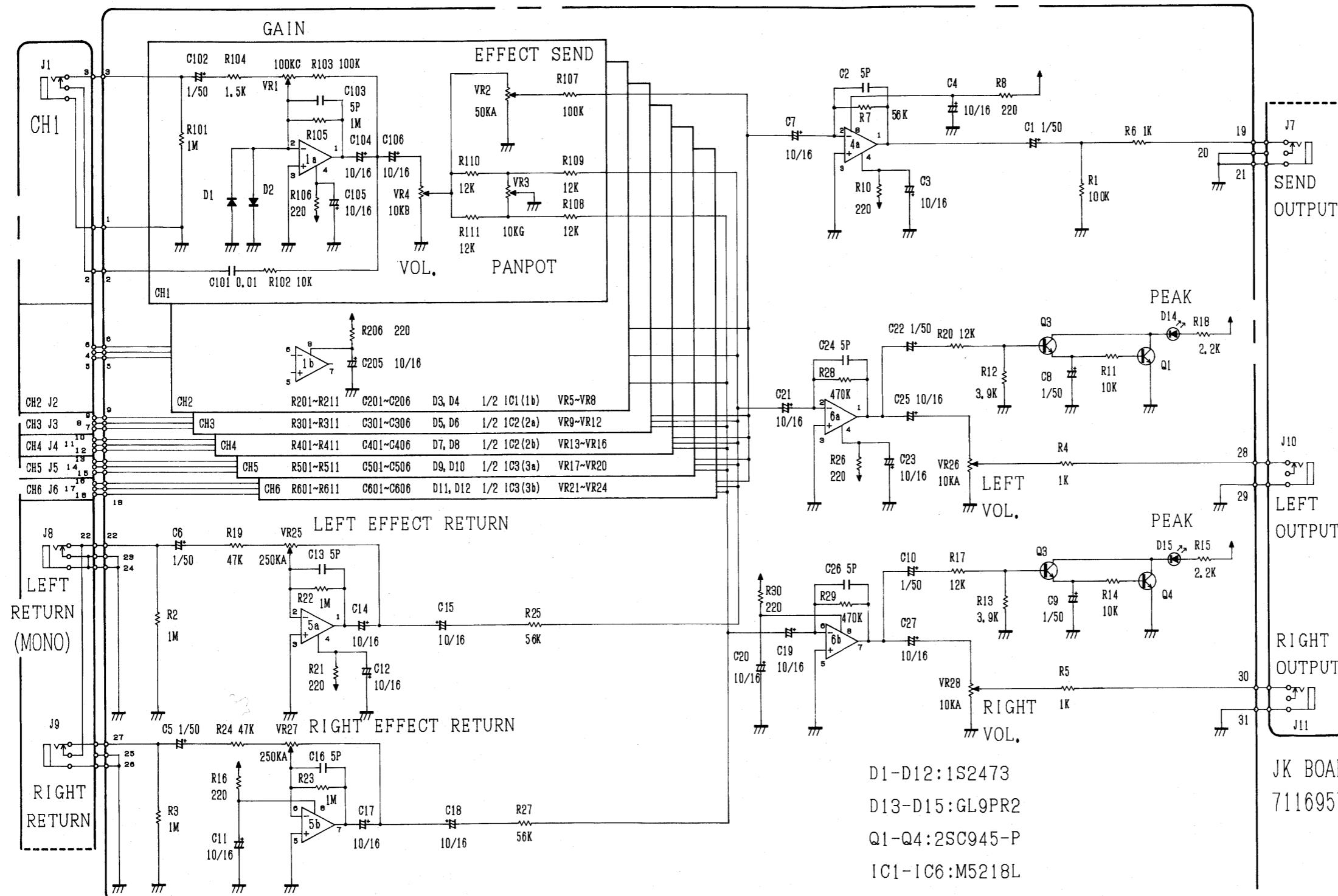
O

P

Q

R

S



D1-D12:1S2473

D13-D15:GL9PR2

Q1-Q4:2SC945-P

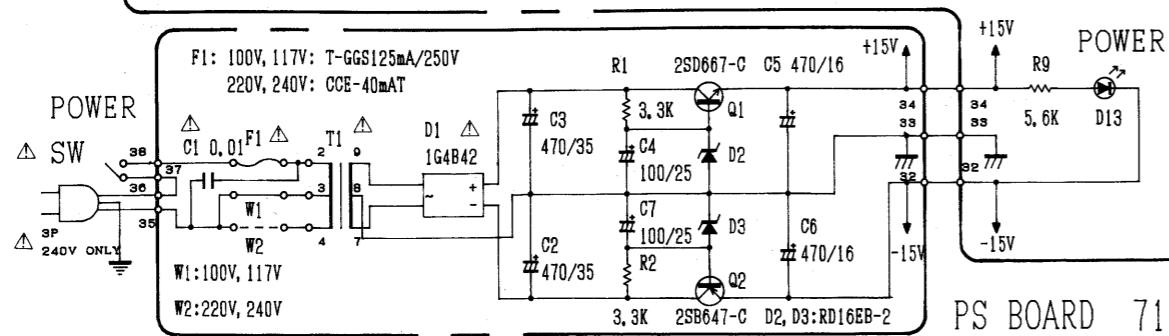
IC1-IC6:M5218L

JK BOARD

71169570

BX-60

MT BOARD 71169520



PS BOARD 71169540

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